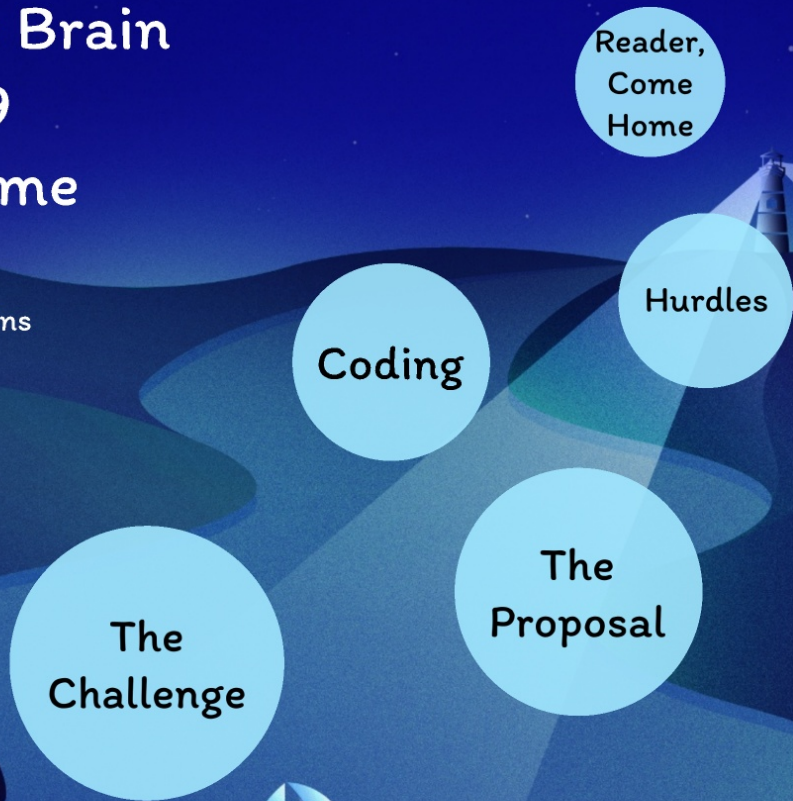


Building a Biliterate Brain

Letters 8 and 9

Reader Come Home

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The Challenge

There are no well-known, tried-and-true curricula for teaching young children how to use online information to think critically about visual information while they are simultaneously learning to read print, listen and speak in full sentences. This is uncharted terrain.

-Lisa Guernsey and Michael Levine



Next
Generations

Future
Skills

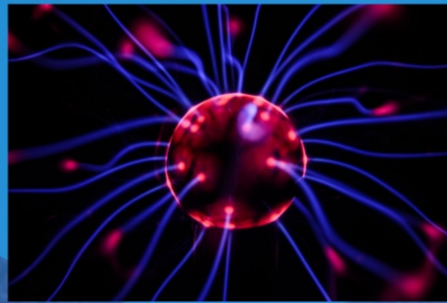
The Next Generation

65 percent of the jobs our present preschoolers will hold in the future haven't even been invented yet.

-Alec Ross, *The Industries of the Future*

Building the Future Pluripotential Brain Circuitry

The future requires that vastly elaborated deep-reading processes that are shared with and expanded through coding, designing, and programming skills, all of which will be transformed by a future that no one can predict.

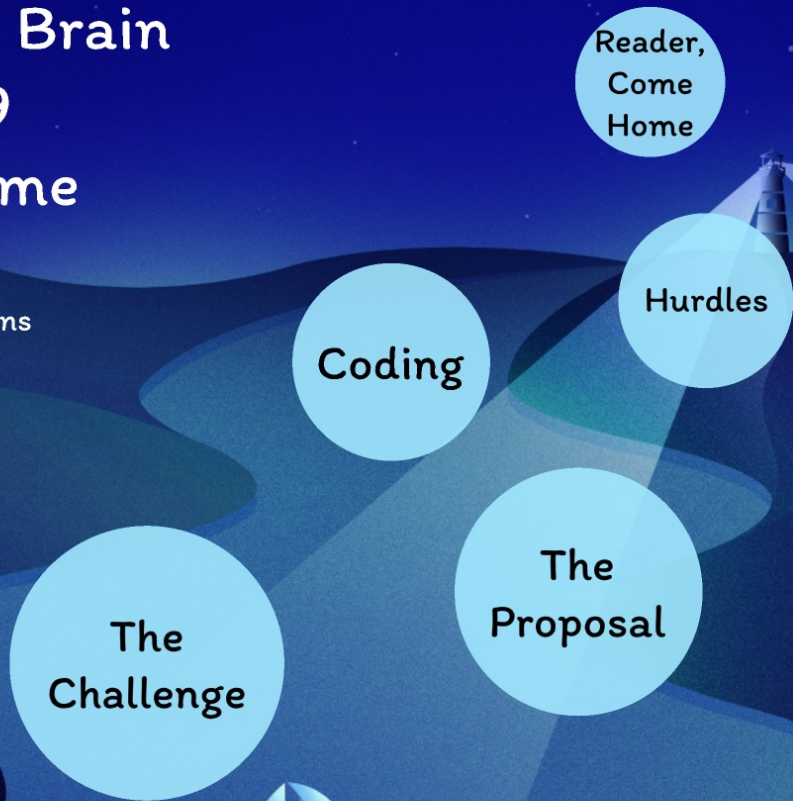


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A Developmental Proposal for the Biliterate Reading Brain

Dr. Wolfe proposes a childhood "steeped in" the best of both print and digital mediums- with the blueprint based on dual-language learners, leading to "expert code switchers" as adults.



Print

Digital
Wisdom

Code
Switching

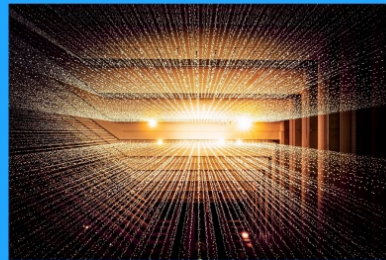
The Role of Print- Ages 5-10



In the first school years, physical books and print would be used as the principal medium for learning to read and story time. Handwriting is also important, as research shows that by writing thoughts by hand in early grades, learners become better writers and thinkers.

Teaching Digital Wisdom

At the same time that children are learning to think about what they read, digital devices are introduced as a medium for coding and programming. This new type of "literacy" allows students to organize their thinking and express their ideas, just as writing does.



Read Deeply, Think Deeply, Regardless of Medium

If all goes well in the proposed plan, students should be proficient in reading on two mediums and multiple media, and able to switch effortlessly between them for different tasks.

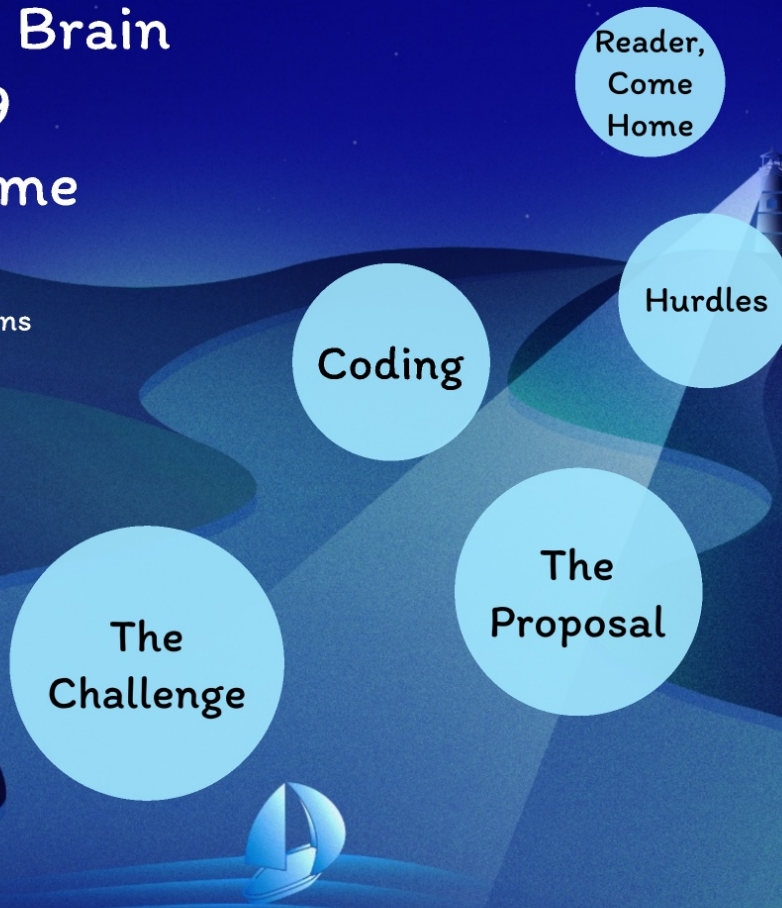


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Coding: Then and Now

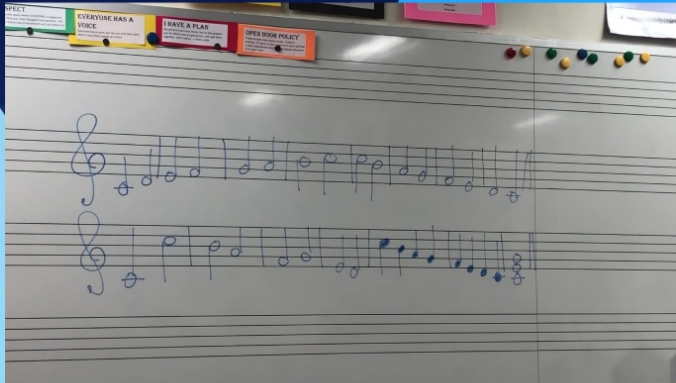


STEAM

Coding
exercise



STEAM



Students play hand bells using the "language" of music.

Music
and
Art



Students critique art using rich vocabulary "language."
Describe, Analyze, Interpret,
Evaluate

SPECT

Safe space where EVERYONE is respected (they are, their thoughts and opinions, etc.) I respect our environment and our materials

EVERYONE HAS A VOICE

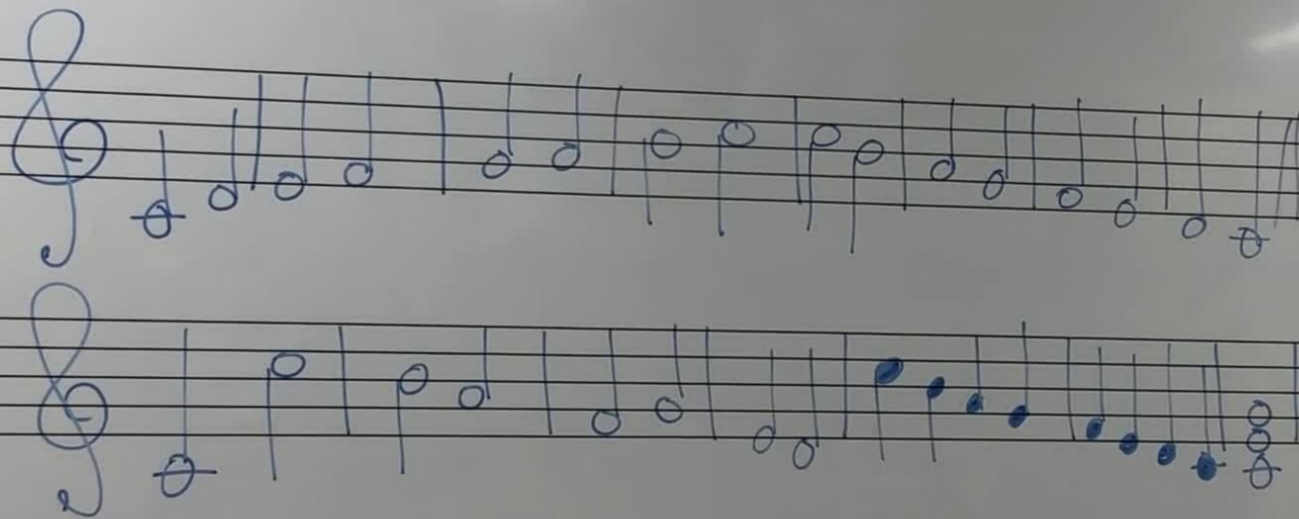
Everyone has a voice, but we can only hear each other if one voice speaks at a time.

I HAVE A PLAN

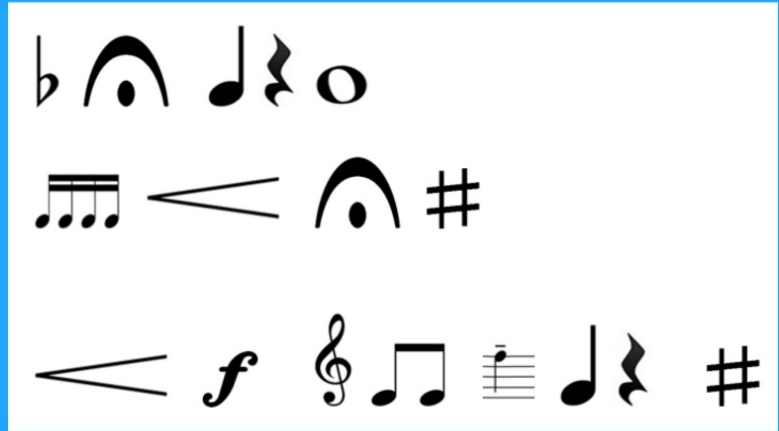
My job is to teach you music, but to also prepare you for where you are going next. Let's get there together. Don't worry...I have a plan.

OPEN DOOR POLICY

I have an open door policy all day. Come in anytime. If I am in a class, please let me know I will find a more appropriate time to discuss whatever is on your mind.



Try this:



Code solved

**DRINK
MORE
OVALTINE!**

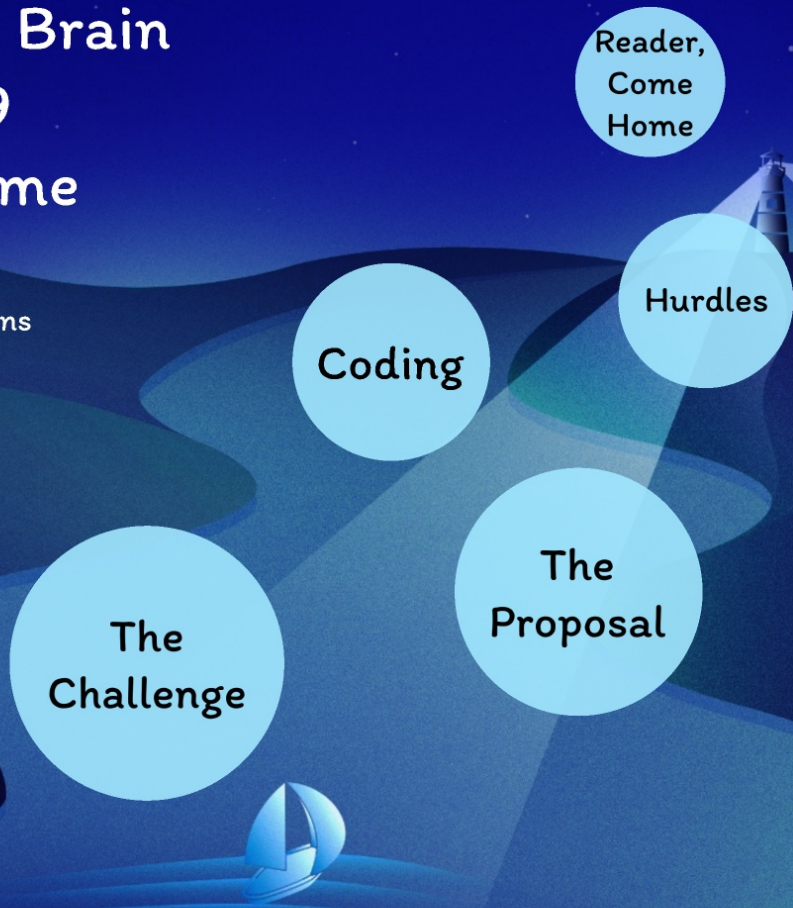


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Investment Needs:

Research on Impact

Professional Training and Development

Equal Access

Research

Training

Access



More research is needed about the cognitive impact of both print and digital mediums on all our children, particularly those with reading challenges, whether environmental or biological in origin.

Professional Training and Development

More comprehensive professional
training for teachers



Equal Access

Confront the access gaps that exist in our society and the world and work to eliminate them.

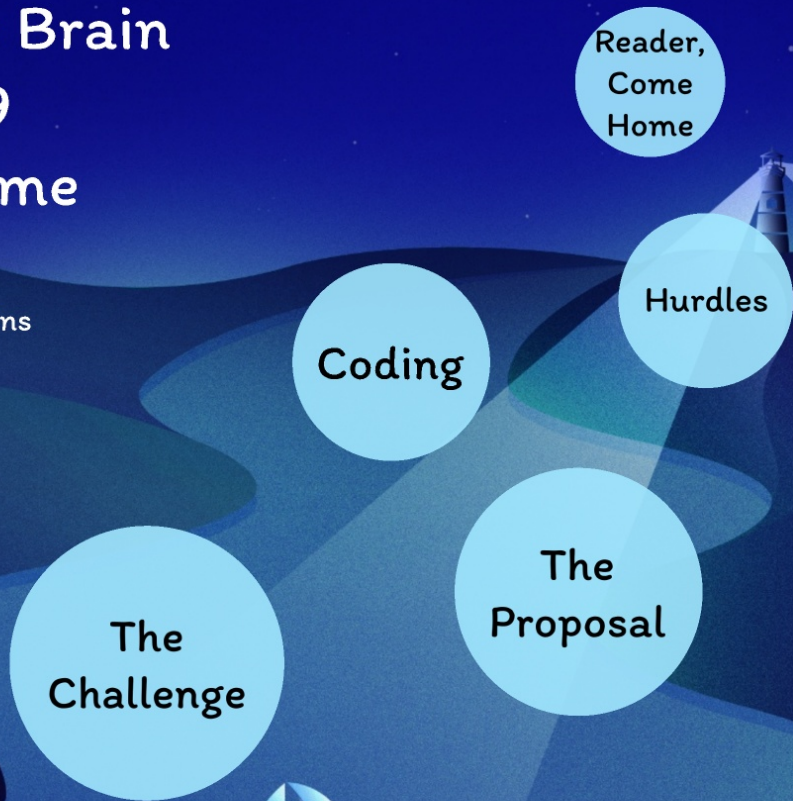


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The Good Reader

As Aristotle wrote that a good society has three lives: the life of knowledge and productivity; the life of entertainment with the Greeks special understanding of leisure; and finally, the life of contemplation. So, too, the "good reader."



"Festina Lente"

Historical Moment

Godspeed and Thank You

"Festina Lente" or "Hurry Slowly"

A Reminder from the author:

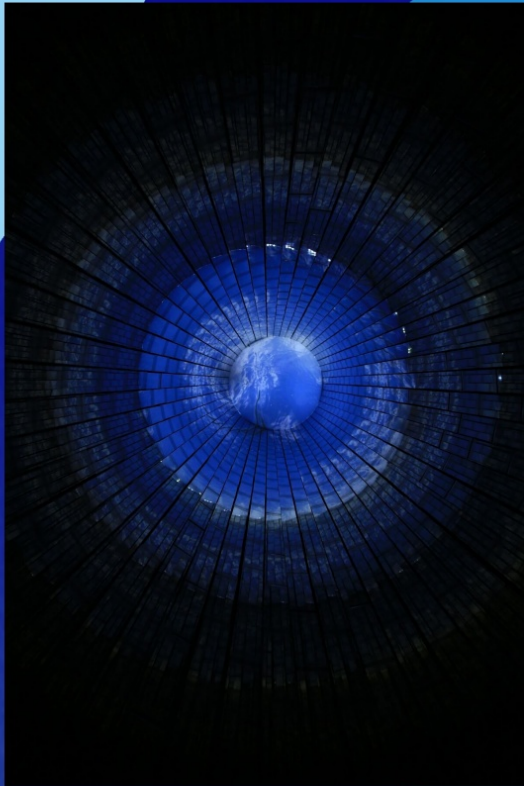
As we move across this digital culture: let us hasten to meet that future, but examine it slowly with our best thoughts at our side.



A Historical Moment



"The good readers of a society are both its canaries- which detect the presence of danger to its members- and its guardians of our common humanity"



Festina lente, dear and
good reader. Come
Home.

Godspeed,
Maryanne

*And thank you for
your work,
Dr. Maryanne Wolf

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